



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

LISTS OF LEPIDOPTERA AND COLEOPTERA,

COLLECTED IN NEW MEXICO BY THE KANSAS UNIVERSITY SCIENTIFIC EXPEDITIONS OF 1881 AND 1882.

BY PROF. F. H. SNOW, OF THE UNIVERSITY OF KANSAS.

The following lists represent the entomological portion of the work of our expeditions to New Mexico for the month of August, 1881, and the two months of July and August, 1882. The party for 1881 consisted of Prof. H. S. S. Smith, the writer, his twelve-year-old son Willie, and Mr. L. L. Dyche, his capable assistant in natural history. The locality selected for exploration was in the southern portion of the Territory, in the beautiful Water Cañon, some twenty-five miles west from Socorro. But the work of the month was seriously crippled by a hostile incursion of the murderous Apaches, who compelled us, after only five days of successful collecting, to abandon the locality, and select a safer but less desirable field for investigation. A single day was spent at Deming, and the rest of the month at Socorro and Pecos. Near the latter place a week was profitably devoted to archæological explorations.

In 1882 the expedition was more successful. The party consisted of the writer and his family, together with Mr. L. L. Dyche, Miss Mary Dyche, and Mr. W. W. Russ, students of the University. Our camp was fixed in the Gallinas Cañon, near the Las Vegas Hot Springs, and a more favorable locality could hardly have been selected. In his report upon the Coleoptera collected in Santa Fé Cañon in 1880, published in the last volume of these Transactions, the writer noted the conspicuous scarcity in that locality of certain families of Coleoptera, and of all the Lepidoptera, as probably due to the destruction of their food-plants by the sheep and goats. But in the Gallinas Cañon, not more than thirty miles distant, we found a sort of naturalist's paradise. The occupancy of the mouth of the cañon by the hotels and bathing-houses of that famous sanitarium, has proved an effectual barrier against the entrance of troublesome ruminants, and the entomologist and botanist is able to obtain the choicest of his favorite objects of study in delightful variety and perfection. From this camping-place as a center of observation, at an elevation of about 7,000 feet above the sea, we collected in nine weeks 277 species of Lepidoptera and 417 species of Coleoptera. Adding the material obtained in southern New Mexico in the preceding year, we have a total of 315 species of Lepidoptera and 514 species of Coleoptera. Among these forms, seventeen species of Coleoptera and fifty-three species of Lepidoptera—nearly one-tenth of the entire number—are new to science. A portion of the new Lepidoptera are described in a separate article in these

Transactions, by A. R. Grote, of New York. The new Coleoptera will be described by Dr. LeConte, of Philadelphia. My special acknowledgments are hereby made to these gentlemen, and to Mr. W. H. Edwards, for valuable aid in the determination of species. The letter appended to each species gives the locality of collection—G., W. and S. indicating, respectively, Gallinas Cañon, Water Cañon, and Socorro.

LEPIDOPTERA RHOPALOCERA (BUTTERFLIES).

- | | |
|--|---|
| <i>Papilio Dامنus</i> Edw. G. W. | <i>Hipparchia Ridingsii</i> Edw. G. |
| <i>Papilio Rutulus</i> Bd. G. W. | <i>Satyrus Meadii</i> Edw. W. |
| <i>Pieris Menapia</i> Feld. G. | <i>Satyrus Charon</i> Edw. G. |
| <i>Pieris Sisymbri</i> Bd. G. | <i>Satyrus Nephela</i> Kirby. G. |
| <i>Pieris oleracea</i> Bd. G. | <i>Chionobas Uhleri</i> Reak. G. |
| <i>Pieris occidentalis</i> Reak. G. | <i>Nemeobius Nais</i> Edw. G. |
| <i>Pieris Napi</i> var. <i>pallida</i> Scud. G. | <i>Thecla Crysalus</i> Edw. G. W. |
| <i>Nathalis Iole</i> Bd. G. W. | <i>Thecla Calanus</i> Hubn. G. |
| <i>Anthocaris Ausonides</i> Bd. G. | <i>Thecla Apama</i> Edw. G. |
| <i>Anthocaris Thoosa</i> Scud. G. | <i>Thecla Siva</i> Edw. G. |
| <i>Callidryas Eubule</i> L. W. | <i>Thecla Behrii</i> Edw. G. |
| <i>Colias Cæsonia</i> Stoll. G. W. | <i>Thecla Eryphon</i> Bd. G. |
| <i>Colias Eurytheme</i> Bd. G. | <i>Chrysophanus Ianthæ</i> Edw. G. |
| <i>Terias Nicippe</i> Cram. W. | <i>Chrysophanus helloides</i> Bd. G. |
| <i>Terias Mexicana</i> Bd. W. | <i>Lycæna orbitulus</i> Von Pr. G. |
| <i>Danaïs Archippus</i> Fab. G. W. | <i>Lycæna Lygdamas</i> var. <i>Oro</i> Scud. G. |
| <i>Danaïs Berenice</i> Cram. G. W. | <i>Lycæna Melissa</i> Edw. G. |
| <i>Argynnis Alcestis</i> Edw. G. | <i>Lycæna Acmon</i> West-Hew. G. W. |
| <i>Argynnis Eurynome</i> Edw. G. | <i>Lycæna Amyntula</i> Bd. G. W. |
| <i>Argynnis Electa</i> Edw. G. | <i>Lycæna exilis</i> Bd. Deming. |
| <i>Euptoieta Claudia</i> Cram. G. W. | <i>Lycæna marina</i> Reak. G. |
| <i>Melitæa Nubigena</i> Behr. G. | <i>Thymelicus Hylax</i> Edw. G. |
| <i>Melitæa minuta</i> Edw. G. | <i>Pamphila Zabulon</i> Bd.-Lec. G. |
| <i>Melitæa Fulvia</i> Edw. H. | <i>Pamphila Snowi</i> Edw. G. |
| <i>Phyciodes Nycteis</i> var. G. | <i>Pamphila Comma</i> var. <i>Juba</i> Scud. G. |
| <i>Phyciodes Tharos</i> var. <i>Marcia</i> Edw. G. | <i>Pamphila Comma</i> n. var. G. |
| <i>Phyciodes Tharos</i> n. var. G. | <i>Pamphila Cernes</i> Bd.-Lec. G. |
| <i>Phyciodes picta</i> Edw. W. | <i>Pamphila Metacomet</i> Harr. G. |
| <i>Phyciodes Camillus</i> Edw. G. | <i>Pamphila bimacula</i> Gr.-Rob. G. |
| <i>Synchlœa Crocale</i> Edw. W. | <i>Pamphila Taxiles</i> Edw. G. |
| <i>Grapta Zephyrus</i> Edw. G. W. | <i>Pamphila Phylace</i> Edw. G. |
| <i>Vanessa Antiopa</i> L. G. | <i>Amblyscirtes æneus</i> Edw. G. |
| <i>Vanessa Californica</i> Bd. G. | <i>Pyrgus tessellata</i> Scud. G. |
| <i>Vanessa Milberti</i> Godt. G. W. | <i>Thanaos Martialis</i> Scud. W. |
| <i>Pyrameis Huntera</i> Drury. G. W. | <i>Thanaos juvenalis</i> F. G. |
| <i>Pyrameis cardui</i> L. G. W. | <i>Thanaos funeralis</i> Scud.-B. W. |
| <i>Limenitis Weidemeyerii</i> Edw. G. W. | <i>Thanaos Pacuvius</i> Lintn. G. W. |
| <i>Heterochroa Californica</i> Butler. W. | <i>Pholisora catullus</i> Cram. G. W. |
| <i>Neonympha Henshawii</i> Edw. G. W. | <i>Pholisora Pirus</i> Edw. W. |
| <i>Coenonympha ochracea</i> Edw. G. | <i>Eudamus Pylades</i> Scud. G. |
| <i>Erebia epipsodea</i> Butler. G. | <i>Eudamus Bathyllus</i> Sm.-Abb. G. |

LEPIDOPTERA HETEROCERA (MOTHS).

SPHINGIDÆ.

- Deilephila lineata* Fabr. G.
Philampelus Achemon Drury. G.
Smerinthus geminatus Say. G.
Smerinthus occidentalis Hy. Edw. G.
Sphinx Celeus Hubn. G.
Sphinx Oreodaphne Hy. Edw. G.
Sphinx lugens Walk. G.

ZYGÆNIDÆ.

- Alpyiodes flavilinguis* Grote, n. gen. and n. sp. G.
Ctenucha Cressonana Gr. G.
Pygoctenucha funerea Gr., n. gen. and n. sp. G.
Pygoctenucha Harrisii Boisd. G.
Harrisina Americana Harr. G.
Harrisina coracina Clem. G.
Triprocris Smithsonianus Clem. G.
Lycomorpha constans Hy. Edw. G.
Anatolmis Grotei Pack. G.

BOMBYCIDÆ.

- Nola fusculea* Gr. G.
Crocota brevicornis Walk. G.
Crocota ferruginosa Walk. G.
Crocota quinaria G. var. (?) G.
Callimorpha Lecontei Boisd. G.
Leucarctia acraea Drury. G.
Euchaetes Oregonensis Stretch. G.
Halesidota ingens Hy. Edw. G.
Halesidota labecula Gr. n. sp. G. W.
Halesidota ambigua Strk. G.
Alexicles aspersa Gr. n. gen. and n. sp. G.
Nadata gibbosa A. and S. G.
Oedemasia perangulata Hy. Edw. G.
Telea Polyphemus var. *oculea* Neum. G.
Hyperchiria Io. Fab. var. G.
Hyperchiria Zephyria Gr. n. sp. G.
Pseudohazis Hera Harr. G.
Coloradia Pandora Blake. G.
Quadrina diazoma Gr. n. g. and n. sp. G.
Gloveria Arizonaensis Pack. G. W.

NOCTUIDÆ.

- Pseudothyatira cymatophoroides* Guen. G.
Habrosyne scripta Gosse. G.
Acronycta albarufa Gr. G.
Acronycta thoracica Gr. G.
Acronycta noctivaga Gr. G.
Acronycta persuasa Harv. G.

- Acronycta extricata* Gr. G.
Agrotis conchis Gr. G.
Agrotis mirabilis Gr. G.
Agrotis agrestis Gr. var. G.
Agrotis tricolor Lintner. G.
Agrotis obeliscoides Guen. G.
Agrotis cupidissima Gr. G.
Agrotis brunneipennis Gr. G.
Agrotis variata Gr. G.
Agrotis orbis Gr. G.
Agrotis placida Gr. and var. G.
Agrotis Ridingsiana Gr. G.
Agrotis decolor Morr. G.
Agrotis albipennis Gr.
Agrotis atrifrons Gr. G.
Agrotis pastoralis Gr. G.
Agrotis fumalis Gr. G.
Agrotis munis Gr. G.
Agrotis malefida Guen. G.
Agrotis telifera Harr. G.
Agrotis saucia Hubn. G.
Agrotis caenis Gr. G.
Agrotis grandipennis Gr. n. sp. G.
Agrotis bimarginalis Gr. n. sp. G.
Agrotis circumdata Gr. n. sp. G.
Agrotis beata Gr. n. sp. G.
Agrotis terrealis Gr. n. sp. G.
Agrotis invenusta Gr. n. sp. G.
Agrotis near baja. n. sp. G.
Agrotis, four undetermined species, probably new. G.
Ammoconia chortalis Harv. G.
Ammoconia parentalis Gr. G.
Ammoconia decipiens Gr. G.
Ammoconia distichoides Gr. n. sp. G.
Mamestra discalis Gr. G.
Mamestra lilacina Harv. G.
Mamestra subjuncta G. and R. G.
Mamestra trifolii Rott. G.
Mamestra acutipennis Gr. G.
Mamestra detracta Walk. G.
Mamestra olivacea Morr. G.
Mamestra vittula Gr. n. sp. G.
Mamestra near Nevadæ n. sp. G.
Mamestra mimula Gr. n. sp. G.
Mamestra gnata Gr. (?) G.
Copimamestra occidenta Gr. n. gen. and n. sp. G.
Hadena devastatrix Brace. G.

Hadena arctica *Boisd.* G.
Hadena dubitans *Walk.* G.
Hadena auranticolor *Gr.* G.
Hadena auranticolor dark var. G.
Hadena perpensa *Gr.* G.
Hadena longula *Gr.* G.
Hadena fractilinea *Gr. and var.* G.
Hadena hausta *Gr.* G.
Hadena three undet. sp.
Pseudanarta flavidens *Gr.* G.
Oligia arna *Guen.* G.
Perigæa albolabes *Gr.* G.
Perigæa loculosa *Gr.* G.
Homohadena epipaschia *Gr. n. sp.* G.
Polia illepida *Gr.* G.
Polia Theodori *Gr.* G.
Tricholita semiaperta *Morr.* G.
Leucania bicolorata *Gr. and var.* G.
Leucania albilinea *Hubn.* G.
Leucania phragmitidicola *Guen.* G.
Leucania commoides *Guen.* G.
Leucania unipuncta *Haw.* G. W.
Caradrina meralis *Morr.*
Tæniocampa agrotiformis *Gr.* G.
Tæniocampa thecata *Morr.* G.
Tæniocampa three undet. sp. G.
Orthosia near *disticha* *Morr.* G.
Trichorthosia parallela *Gr. n. gen. and n. sp.* G.
Scoliopteryx libatrix *Linn.* G.
Lithophane signata *Walk.* G.
Cucullia Speyeri *Linn.* G.
Adipsophanes miscellus *Gr.*
Ingura prepilata *Gr.* G.
Basilodes chrysopsis *Gr.* G. W.
Deva purpurigera *Walk.* G.
Plusia simplex *Guen.* G.
Tricopis chrysellus *Gr.* W.
Euleucyptera cumatilis *Gr.* W.
Grotella *Dis.* *Gr. n. sp.* G.
Bessula luxa *Gr. n. sp.* W.
Rhododipsa miniana *Gr. n. sp.* W.
Rhodosea Julia *Gr. gen. and n. sp.* G.
Heliothis phlogophagus *G. and R.* G.
Heliothis var. *luteitinctus* *Gr.* G.
Heliothis lucens *Morr.* G.
Lygranthœcia balba *Gr.* W.
Anthœcia brevis *Gr.* W.
Anthœcia Spraguei *Gr.* W.
Tarache angustipennis *Gr.* W.
Tarache sutrix *Gr.* W.
Drasteria erecthea *Cram. var.* G.

Euclidia intercalaris *Gr. n. sp.* G. W.
Litocala sexsignata *Harr.* G.
Cirrhobolina Mexicana *Behr.* G.
Catocala perditia *Hy. Edw.* G.
Catocala Walshii *Edw.* G.
Catocala Aspasia *Strk.* G.
Catocala Grotiana *Bailey.* G.
Catocala pura *Hulst.* G.
Catocala Hermia *Hy. Edw. (?)* G.
Catocala violenta *Hy. Edw.* G.
Catocala aholibah *Strk.* G.
Catocala Frederici *Gr.* G.
Toxocampa Victoria *Gr.* G.
Celiptera bucetum *Gr.* G.
Pseudanthracia coracias *Guen.* G.
Homopyralis discalis *Gr.* G.
Homopyralis miserulata *Gr. n. sp.* G.
Spargaloma sexpunctata *Gr.* G.
Pseudaglossa lubricalis *Gey.* G.
Epizeuxis æmula *Hubn.* G.
Epizeuxis Americalis *Guen. and var.* G.
Zanclognatha cruralis *Guen.* G.
Renia Belfragei *Gr. var.* G.
Renia undet. sp. G.
Bleptina caradrinalis *Guen.* G.

GEOMETRIDÆ.

Chærodes catenulata *Gr. n. sp.* G.
Tetracis simplicaria *Gr. n. sp.* G.
Tetracis vidularia *Gr.* G.
Caberodes majoraria *Guen.* G.
Ennomos alniaria *Linn.* G.
Endropia madusaria *Walk.* G.
Ellopiæ vitraria *Gr. n. sp.* G.
Metrocampa margaritata *Linn.* G.
Lychnosea aulularia *Gr. n. gen. and n. sp.* G.
Sicya two n. sp. G.
Acidalia peralbata *Pack.* G.
Acidalia undet. sp. G.
Deilinia erythemaria *Guen.* G.
Deilinia undet. sp. G.
Semiothisa Californiata *Pack.* G.
Phasiane trifasciata *Pack.* W.
Phasiane cruciata *Gr. n. sp.* G.
Marmopteryx sponsata *Gr. n. sp.* G.
Thamnonoma perpallidaria *Gr. n. sp.* G.
Caripeta equaliara *Gr. n. sp.* G.
Fidonia alternaria *Gr. n. sp.* G.
Aspilates viridirufaria *Neum.* G.
Cymatophora humaria *Guen.* G.
Tephrosia three undet. sp. G.

Amphidasys Mexicanaria Gr. n. sp. G.
Phigalia lixaria Gr. n. sp. G.
Baptria albiovittata Guen. G.
Lophophora inequaliata Pack. G.
Hydria undulata Linn. G.
Phibalapteryx intestinata Guen. G.
Phibalapteryx munitaria G.
Petrophora prunata Linn. G.
Petrophora undet. sp. G.
Glaucopteryx cumatilis G. and R. G.
Eupithecia cretaceata Pack. G.
Emplocia cephisaria Gr. n. sp. W.
Emplocia fervefactaria Gr. n. sp. G. W.

PYRALIDÆ.

Parædis obliqua Gr. n. sp. G.
Asopia olinalis Guen. G.
Asopia cohortalis Gr. G.
Asopia planalis Gr. G.
Emprepes novalis Gr. G.
Botis volupialis Gr. W.
Botis flavofascialis Gr. n. sp. W.

Botis tatalis Gr. W.
Botis allectalis Gr. W.
Botis mustelinis Pack. G.
Botis socialis Gr. W.
Botis magniferalis Walk. W.
Botis fracturalis Zell. W.
Botis n. sp. W.
Eurycreon cereralis Zell. G.
Blepharomastix ranalis Guen. G.
Chryseudeton avernalis Gr. n. sp. G.
Nephopteryx auranticella Gr. n. sp. G.
Crambus dimidiatellus Gr. n. sp. G.

TORTRICIDÆ AND TINEIDÆ.

Cacocia sp. G.
Tortrix sp. G.
Tinea sp. G.
Grapholitha sp. G.
Psecadia subcærulea Wlsm. G.

PTEROPHORIDÆ.

One undetermined species. G.

SUMMARY OF SPECIES OF LEPIDOPTERA

(Not including varieties).

RHOPALOCERA (butterflies).....	80
HETEROCERA (moths):	
Sphingidæ.....	7
Zygænidæ.....	9
Bombycidæ.....	20
Noctuidæ.....	134
Geometridæ.....	40
Pyralidæ.....	19
Tortricidæ.....	5
Pterophoridæ.....	1
Total number of species.....	315
Number of new species.....	53

LIST OF COLEOPTERA.

CICINDELIDÆ.

10. *Cicindela obsoleta* Say. G.
- 10a. *Cicindela vulturina* Lec. G.
- 10b. *Cicindela prasina* Lec. G.
14. *Cicindela pulchra* Say. G. S.
15. *Cicindela scutellaris* Say. blk. var. S.
- 15c. *Cicindela unicolor* Dej. S.
22. *Cicindela Audubonii* blk. var. and green var. G.
- 22d. *Cicindela cimarrona* Lec. G. S.
28. *Cicindela vulgaris* Say. var. G.
- 30a. *Cicindela Oregona* Lec.
33. *Cicindela hirticollis* Say. S.
45. *Cicindela macra* Lec. S.

51. *Cicindela punctulata* Fab. G. S.

- 51a. *Cicindela micans* Fab. G. S.

55. *Cicindela 16-punctata* Kb. G.

61. *Cicindela pretextata* Lec. S.

Cicindelidæ: 11 species, 6 var.

CARABIDÆ.

105. *Notiophilus Hardyi* Putz. G.
134. *Calosoma scrutator* Fab. G.
139. *Calosoma carbonatum* Lec. G. W.
140. *Calosoma triste* Lec. W.
141. *Calosoma obsoletum* Say. G.
160. *Carabus tædatus* Fab. G.
173. *Cychrus elevatus* Fab. G.
200. *Pasimachus elongatus* Lec. G.

- 207a. *Pasimachus costifer* Lec. W.
 343. *Lebia majuscula* Chd. G.
 349. *Lebia viridis* Say. G.
 360. *Dianchomena scapularis* Dej. G.
 364. *Aphelogenia fuscata* Lec. G.
 366. *Aphelogenia bivittata* Fab. G.
 393. *Glycia viridicollis* Lec. G.
 397. *Cymindis laticollis* Say. G.
 399. *Cymindis abstrusa* Lec. G.
 436. *Calathus dubia* Lec. G.
 461. *Platynus extensicollis* Say. G.
 514. *Platynus placidus* Say. G. W.
 —. *Platynus nivalis* Horn. W.
 —. *Evarthrus torvus* Lec. G.
 561. *Evarthrus substriatus* Lec.
 638. *Pterostichus Luczotii* Dej. G.
 701. *Amara confusa* Lec. G. W.
 —. *Amara remota* Lec. G.
 705. *Amara lævipennis* Kirby. G.
 706. *Amara interstitialis* Dej. and var. G.
 722. *Amara harpalina* Lec. W.
 819. *Piosoma setosum* Lec. W.
 916. *Selenophorus pedicularius* Dej. G.
 925. *Harpalus retractus* Lec. G.
 926. *Harpalus amputatus* Say. G. W.
 928. *Harpalus caliginosus* Fabr. G.
 938. *Harpalus fallax* Lec. G.
 940. *Harpalus herbivagus* Say. G.
 950. *Harpalus montanus* Lec. G.
 955. *Harpalus funestus* Lec. G. W.
 956. *Harpalus oblitus* Lec. W.
 959. *Harpalus ochrops* Kirby. G. W.
 961. *Harpalus basilaris* Kirby. W.
 —. *Harpalus* not named. W.
 1059. *Bembidium transversale* Dej. G.
 1062. *Bembidium lugubre* Lec. G.
 1063. *Bembidium striola* Lec. G.
 1067. *Bembidium lucidum* Lec. G.
 1077. *Bembidium nitens* Lec. G.
 —. *Bembidium* n. sp. G.
 1143. *Tachys nanus* Gyll. G.
 Carabidae, 49 species, 1 var.
 DYTISCIDÆ.
 1210. *Hydroporus nubilus* Lec. G.
 1229. *Hydroporus striatellus* Lec. G. W.
 1261. *Hydroporus vilis* Lec. G.
 1281. *Laccophilus decipiens* Lec. G.
 1317. *Rhantus binotatus* Harr. G.
 —. *Ilybius Laramæus* Lec. G.
 1335. *Ilybius biguttatus* Germ. G. W.
 1342. *Ilybiusoma regularis* Lec. G.
 1381. *Anisomera cordata* Lec. G.
 Dytiscidae, 9 species.
 HYDROPHILIDÆ.
 1449. *Hydrophilus triangularis* Say. G.
 1450. *Tropisternus nimbatus* Say. G.
 1453. *Tropisternus Californicus* Lec. W.
 1457. *Tropisternus ellipticus* Lec. W.
 1476. *Berosus infuscatus* Lec. G.
 1482. *Limnocharis piecus* Horn. G.
 1497. *Philbydrus diffusus* Lec. G.
 1513. *Hydrobius rufiventris* Horn. G.
 1514. *Hydrobius infuscatus* Mots. G.
 Hydrophilidae, 9 species.

STAPHYLINIDÆ.

- . *Homalota*, two species. G.
 1662. *Aleochara bimaculata* Grav. G.
 1666. *Aleochara nitida* Grav. G.
 1771. *Creophilus villosus* Grav. G. W.
 1787. *Staphylinus cinnamopterus* Grav. G.
 —. *Philonthus sordidus* Fawc. Ms. W.
 —. *Philonthus* two undet. sp. G. W.
 1804. *Philonthus Californicus* Mann. G.
 1829. *Philonthus picipennis* Maklin. G.
 —. *Stenus* two undet. sp. G.
 1988. *Platystethus Americanus* Er. G.
 7841. *Geodromicus ovipennis* Lec. G.
 Staphylinidae, 15 species.

SILPHIDÆ.

2176. *Necrophorus marginatus* Fab. G. W.
 2178a. *Necrophorus Hecate* Bland. G.
 2188. *Silpha lapponica* Hb. G. W.
 2194. *Silpha truncata* Say. G.
 7943. *Anisotoma valida* Horn. G.
 Silphidae, 5 species.

LATRIDIDÆ.

- . *Corticaria* undet. sp. G.
 Latrididae, 1 species.

DERMESTIDÆ.

2393. *Dermestes marmoratus* Say. G. W.
 2395. *Dermestes nubilus* Say. W.
 2396. *Dermestes talpinus* Mann. G.
 2404. *Dermestes maculatus* Deg. W.
 2422. *Cryptorhopalum apicale* Mann.
 2430. *Anthrenus varius* Fab. G.
 2434a. *Orphilus subnitidus* Lec. G.
 Dermestidae, 7 species.

ENDOMYCHIDÆ.

2441. *Mycetina morosa* Lec. G.
 2449. *Epipochus unicolor* Horn. G.
 Endomychidae, 2 species.

EROTYLIDÆ.

2514. *Languria gracilis* Neum. W.
 2541. *Cypherotylus Boisduvali* Chev. G. W.
 Erotylidae, 2 species.

TROGOSITIDÆ.

2682. *Trogosita virescens* Fab. G.
 2688. *Tenebrioides corticalis* Mels. G.
 Trogositidae, 2 species.

NITIDULIDÆ.

2729. *Carpophilus pallipennis* Say.
 2730. *Carpophilus mutilatus* Fab. G.
 2738. *Epurea infuscata* Maklin. G.
 2739. *Epurea æstiva* Linn.
 2752. *Epurea rufa* Say. G.
 2755. *Nitidula ziczac* Say. G.
 2757. *Soronia undulata* Say. G.
 2767. *Meligethes ruficornis* Lec. G.
 2772. *Perthalyera Murrayi* Cr. G.
 2794. *Pityophagus cephalotes* Lec. W.
 Nitidulidae, 10 species.

PHALACRIDÆ.

2805. *Phalacrus penicillatus* Say. G.
 2809. *Olibrus vittatus* Lec. G.
 —. *Olibrus*, two undetermined sp. G.
 Phalacridae, 4 species.

COCCINELLIDÆ.

8060. *Epilachna corrupta* Muls. G. W.
 2827. *Hippodamia 5-signata* Kirby. W.
 2829. *Hippodamia Le Contei* Muls. G.
 2832. *Hippodamia convergens* Guer. G. W.
 2837. *Hippodamia parenthesis* Say. G.
 2847. *Coccinella 9-notata* Hb. G.
 2848. *Coccinella 5-notata* Kirby. G.
 2849. *Coccinella monticola* Muls.
 2853. *Cycloneda sanguinea* Linn. G.
 2854a. *Cycloneda abdominalis* Say. G. W.
 2858. *Harmonia picta* Rand. G.
 2863. *Anatis Rathvoni* Lec. var. G.
 2864. *Anatis subvittata* Muls. G.
 2867. *Psyllobora 20-maculate* Say. G.
 2871. *Exochomus Pilatii* Muls. G.
 2872a. *Exochomus ethiops* Bland. G.
 2877a. *Brachyacantha 10-pustulata* Mels. G.
 2882. *Hyperaspis fimbriolata* Mels. G.
 2919. *Scymnus collaris* Mels. G.
Coccinellidæ, 19 species.

PARNIDÆ.

2977. *Helichus striatus* Lec. G.
Parnidæ, 1 species.

HISTERIDÆ.

3031. *Hister instratus* Lec. G.
 3049. *Hister abbreviatus* Fab. G.
 3053. *Hister depurator* Say. G.
 3093. *Epierus nasutus* Horn. G.
 3131. *Saprinus lugens* Er. G.
 3133. *Saprinus Pennsylvanicus* Payk. W.
 3134. *Saprinus Oregonensis* Lec. G.
 3153. *Saprinus neglectus* Mars. G. W.
 3158. *Saprinus fimbriatus* Lec. G.
Histeridæ, 9 species.

LUCANIDÆ.

3205. *Lucanus mazama* Lec. G. W.
Lucanidæ, 1 species.

SCARABÆIDÆ.

3219. *Canthon praticola* Lec. W.
 3230. *Canthon hudsonias* Forst. G.
 3241. *Phanæus carnifex* Linn. G. W.
 —. *Onthophagus coproides* Horn. W.
 3244. *Onthophagus Hecate* Panz. G.
 3262. *Aphodius ursinus* Mots. G.
 3263. *Aphodius ruricola* Mels. W.
 3295. *Aphodius Coloradensis* Horn. G. W.
 8137. *Aphodius subtruncatus* Lec. G.
 —. *Aphodius duplicatus*. W.
 8145. *Atenius figurator* Har. W.
 8147. *Ochodæus Ulkei* Horn. G.
 3351. *Bolboceras fartcus* Fab. W.
 3352. *Bolboceras lazarus* Fab. G. W.
 3371. *Trox scutellaris* Say. W.
 3377. *Trox suberosus* Fab. W.
 3379. *Trox punctatus* Germ. W.
 3381. *Trox Sonore* Lec. G. W.
 3404. *Hoplia laticollis* Lec. G.
 3420. *Serica vespertina* Schon. G.
 —. *Serica* n. sp. G.
 8165. *Macroductylus uniformis* Horn. G. W.
 3456. *Diplotaxis brevicollis* Lec. G. W.
 3457. *Diplotaxis obscura* Lec. W.

3473. *Diplotaxis carbonata* Lec. W.
 3504. *Lachnosterna fusca* Frohl. G.
 3508. *Lachnosterna micans* Lec. G.
 3521. *Lachnosterna affinis* Lec. G.
 3528. *Lachnosterna hirsuta* Knoch. G.
 3560. *Listrochelus falsus* Lec. G.
 3564. *Tostegoptera lanceolata* Say. G. W.
 3569. *Polyphylla 10-lineata* Say. G.
 3591. *Plusiotis gloriosa* Lec. W.
 —. *Plusiotis Lacordairei* Lec. W.
 3597. *Cyclocephala immaculata* Burm. W.
 3609. *Ligyris gibbosus* De Geer. W.
 3614. *Aphonus pyriformis* Lec. G.
 3626. *Strategus cessus* Lec. W.
 3634. *Allorhina nitida* Linn. W.
 3645. *Euphoria Kernii* Hald. G. W.
 3646. *Euphoria inda* Linn. G. W.
 3650. *Euphoria tulgida* Fab. G.
 3672. *Trichius affinis* Gory. G.
Scarabæidæ, 43 species.

BUPRESTIDÆ.

3682. *Chalcophora angulicollis* Lec. G.
 3688a. *Psiloptera Webbii* Lec. W.
 3689. *Dicerca prolongata* Lec. G.
 3701. *Dicerca sexualis* Gr. G.
 3707. *Pœcilonota cyanipes* Say. G.
 3715. *Buprestis consularis* Gory. G.
 3716. *Buprestis Nuttalli* Kirby. G. W.
 3718. *Buprestis maculiventris* Say. G.
 3719a. *Buprestis Langii* Mann. G.
 3722. *Buprestis lauta* Lec. G.
 3723. *Buprestis adjecta* Lec. G.
 3732. *Melanophila longipes* Say. G.
 3734. *Melanophila Drummondi* Kirby and var. G.
 3736. *Melanophila gentilis* G. and H. G.
 3738. *Anthaxia inornata* Rand. G.
 3743. *Anthaxia flavimana* Gory. G.
 3751. *Chrysobothris 4-lineata* Lec. G. W.
 3753. *Chrysobothris dentipes* Germ. G.
 3756. *Chrysobothris trinervia* Kirby. G.
 3769. *Chrysobothris æneola* Lec.
 3782. *Acmæodera amplicollis* Lec. W.
 3790. *Acmæodera ornata* Fab. W.
 3791. *Acmæodera pulchella* Hbst. G.
 3794. *Acmæodera pulchella* Horn. G.
 8224. *Chrysophana placida* Lec. G.
 3816. *Agrilus interruptus* Lec. G.
 3825. *Agrilus politus* Say. G.
 3828. *Agrilus egenus* Gory. G.
 3841. *Brachys ærosa* Mels. G.
 3844. *Pachyscelus purpureus* Say. G.
Buprestidæ, 30 species.

ELATERIDÆ.

3866. *Deltometopus amœnicornis* Say. G.
 3902. *Anelastes Drurii* Kirby. G.
 3918. *Adelocera rorulenta* Lec. G.
 3935. *Alaus melanops* Lec. G.
 —. *Elatér* n. sp. G.
 4125. *Glyphonyx relicticollis* Say. W.
 4149. *Melanotus fissilis* Say. G.
 4151. *Melanotus exuberans* Lec. G.
 8258. *Athous cribratus* Lec. G.
 4326. *Corymbites inflatus* Say. G.
 4332. *Asaphes carbonatus* Lec. G.

4337. *Asaphes memnonius* *Hbst.* G.
Elateridae, 12 species.

LAMPYRIDÆ.

8291. *Dictyoptera rubripennis* *Lec.* G.
8293. *Dictyoptera ruficollis* *Lec.* G.
4427. *Cænia sanguinipennis* *Say.* G.
—, *Cænia amplicollis* *Lec.* G.
—, *Lycostomus fulvellus* *Lec.* G.
4439. *Eros modestus* *Say.* G.
4443. *Eros canaliculatus* *Say* var. G.
4449a. *Photinus Californicus* *Mots.* G.
4450. *Photinus corrugus* *Linn.* G.
4451. *Photinus flavicollis* *Lec.*
4454. *Photinus decipiens* *Harr.* W.
Lampyridæ, 11 species.

TELEPHORIDÆ.

4482. *Chauliognathus scutellaris* *Lec.* G. W.
8304. *Chauliognathus Lewisii* *Cr.* W.
4507. *Podabrus piniphilus* *Esch.* G.
4523. *Telephorus rectus* *Mels.* G.
4526. *Telephorus flavipes* *Lec.* G.
4547. *Telephorus collaris* *Lec.* G.
Telephoridae, 6 species.

MALACHIDÆ.

4577. *Collops punctatus* *Lec.* W.
4578. *Collops eximius* *Er.* G.
4582. *Collops bi-punctatus* *Say.* G. W.
4595. *Trophimus æneipennis* *Horn.* G.
4624. *Attalus basalis* *Lec.* G.
4639. *Attalus difficilis* *Lec.* G.
4673. *Pristoscelis rufipennis* *Lec.* W.
—, *Pristoscelis comatus* *Lec.* G.
4683. *Listrus senilis* *Lec.* G.
Malachidæ, 9 species.

CLERIDÆ.

4716. *Trichodes ornatus* *Say.* G.
4716a. *Trichodes tenellus* *Lec.* G.
4721. *Aulicus Nero* *Spin.* W.
—, *Clerus atriventris* *Lec.* G.
4724. *Clerus analis* *Lec.* W.
4734. *Clerus cordifer* *Lec.* G.
4736. *Clerus nigriventris* *Lec.* G.
4737. *Clerus sphegeus* *Fabr.* G.
4746. *Clerus undulatus* *Say.* G.
4753. *Hydnocera subaenæa* *Spin.* G.
4756. *Hydnocera pubescens* *Lec.* G.
4789. *Corynetes rufipes* *Fab.* W.
4791. *Corynetes violaceus* *Linn.* G.
Cleridæ, 12 species, 1 var.

PTINIDÆ.

- , *Ernobius* n. sp. G.
Ptinidæ, 1 species.

CERAMBYCIDÆ.

4907. *Ergates spiculatus* *Lec.* G.
4914. *Derobrachus geminatus* *Lec.* W.
4918. *Prionus Californicus* *Motsch.* G. W.
4923. *Homæsthesia emarginatus* *Say.* G.
4924. *Trogosoma Harrisii* *Lec.* G.
4931. *Criocephalus productus* *Lec.* G.
4938. *Tetropium velutinum* *Lec.* G.
4964. *Callidium hirtellum* *Lec.* G.

5051. *Rhopalophora longipes* *Say.* G.
—, *Pteroplatus* n. sp. G.
5066. *Stenaspis solitaria* *Say.* Deming.
5067. *Tragidion annulatum* *Lec.* G.
5068a. *Tragidion fulvipenne* *Say.* G. W.
5077. *Batyle ignicollis* *Say.* G. W.
5081. *Batyle Pearsalli* *Bland.* G.
6085. *Tylosis maculata* *Lec.* S.
5090. *Crossidius intermedius* *Ulke.* S.
5091. *Crossidius pulchellus* *Lec.* G. W.
5094. *Crossidius discoideus* *Say.* S.
5095. *Sphaenothecus suturalis* *Lec.* Deming.
5104. *Cyllene infaustus* *Lec.* G.
5108. *Cyllene lutosus* *Lec.* W.
5111. *Calloides nobilis* *Say.* G.
5117. *Xylotrechus sagittatus* *Germ.* G.
5120. *Xylotrechus undulatus* *Say.* and var. G.
5198. *Acmæops longicornis* *Kirby.* G.
5205. *Acmæops pratensis* *Leich.* G.
5217. *Strangalia 6-notata* *Hald.* G.
5219. *Typocerus zebratus* *Fab.* G.
5221. *Typocerus velutinus* *Oliv.* G.
5223. *Typocerus brunnicornis* *Lec.* G.
5224. *Typocerus sinuatus* *Newm.* G.
5264. *Leptura nigrella* *Say.* var. G.
5265. *Leptura carbonata* *Lec.* G.
5266b. *Leptura cribripennis* *Lec.* G.
5272. *Leptura sanguinea* *Lec.* G.
5276. *Leptura chrysocoma* *Kirby.* G.
5297. *Leptura mutabilis* *Newm.* G.
5306. *Monilema annulatum* *Say.* G.
5312. *Monilema lævigatum* *Bland.* S.
5313. *Monilema crassum* *Lec.* G.
5321. *Monohammus maculosus* *Hald.* G.
5323. *Monohammus scutellatus* *Say.* G.
5371. *Hyperplatys maculatus* *Hald.* G.
5377. *Acanthocinus obliquus* *Lec.* G.
5378. *Acanthocinus spectabilis* *Lec.* G.
5381. *Dectes spinosus* *Say.* G. W.
5388. *Pogonocherus mixtus* *Hald.* G.
5425. *Mecas pergrata* *Say.* G.
5443. *Tetraopes discoideus* *Lec.* G.
5448. *Tetraopes femoratus* *Lec.* G.
5449. *Tetraopes basalis* *Lec.* G.
5551. *Tetraopes canescens* *Lec.* G. S.
Cerambycidæ, 53 species.

SPERMOPHAGIDÆ.

5483. *Bruchus aureolus* *Horn.* G.
5485. *Bruchus prosopis* *Lec.* S.
Spermophagidæ, 2 species.

CHRYSEMELIDÆ.

5535. *Orsodachna Childreni* *Kirby.* G.
5541. *Zeugophora consanguinea* *Cr.* G.
5554. *Lema trilineata* *Oliv.* G.
—, *Lema trilineata* form *trivirgata* *Lec.* G.
—, *Lema*, n. sp. G.
5561. *Babia 4-guttata* *Oliv.* G.
5562. *Urodera crucifera* *Lac.* G.
5611. *Cryptocephalus 4-guttulus* *Suffr.* G.
5614. *Cryptocephalus auratus* *Fab.* G.
5627. *Pachybrachys pubescens* *Oliv.* G.
5642. *Pachybrachys atomarius* *Mels.* G.
5648. *Pachybrachys tridens* *Mels.* G.

5661. *Pachybrachys litigious Suffr.* G.
 5664. *Pachybrachys hepaticus Mels.* G.
 —. *Pachybrachys*, 2 n. sp. G.
 5612. *Pachybrachys dubiosus Lec.* G.
 5668. *Xanthonia 10-notata Say.* G.
 5688. *Chrysocbus auratus Fab.* G.
 5695. *Paria aterrima Oliv.* G.
 5728. *Chrysomela rubiginosa Rog.* W.
 5729. *Chrysomela exclamatonis Fab.* G.
 5730. *Chrysomela conjuncta Rog.* G.
 5732. *Chrysomela suturalis Fab.* G.
 5741. *Chrysomela multipunctata Say.* G.
 5750. *Chrysomela auripennis Say.* G. W.
 —. *Chrysomela*, n. sp. G.
 5773. *Plagiodera viridis Mels.* G. W.
 5792. *Luperus Le Contei Cr.* G.
 5794. *Luperus longulus Lec.* G.
 5800. *Diabrotica tricolor Say.* S.
 5802. *Diabrotica 12-punctata Oliv.* S.
 5809. *Diabrotica longicornis Say.* S.
 5810. *Diabrotica lemniscata Lec.* S.
 5811. *Diabrotica atripennis Say.* G.
 5814. *Galeruca externa Say.* G.
 5815. *Galeruca Americana Fab.* G.
 5820. *Galerucella tuberculata Say.* G.
 5831. *Monoxia guttulata Lec.* G.
 5834b. *Trirhabda Canadensis Kirby.* G.
 5860. *Oedionychis Texana Cr.* G.
 5865. *Disonycha alternata Ill.* S.
 5873. *Disonycha triangularis Say.* G.
 5874. *Disonycha collaris Fab.* G.
 5877. *Graptodera carinata Germ.* G.
 5887. *Graptodera punctipennis Lec. and var.* G.
 —. *Graptodera*, not named. S.
 —. *Graptodera*, n. sp. G.
 —. *Graptodera*, 2 undet. sp. G.
 —. *Longitarsus*, 3 species. G.
 5899. *Glyptina spuria Lec.* G.
 —. *Glyptina*, n. sp. G.
 5907. *Orchestris albionica Lec.* G.
 5920. *Systema oblonga Lec.* G.
 5921. *Systema blanda Mels.* G.
 5933. *Epitrix cucumeris Harr.* G.
 5941. *Chaetocnema subviridis Lec.* G.
 5943. *Chaetocnema crenulata Cr.* G.
 5862a. *Odontota inaequalis Web.* G.
 5980. *Cassida nigripes Oliv.* G.
 5985. *Coptocyla aurichalcea Fab.* G.
 Chrysomelidae, 63 species, 1 var.
- TENEBRIONIDÆ.
6010. *Epitragus canaliculatus Say.* G.
 —. *Eurymetopon* n. sp. G.
 6029. *Emmenastus acutus Horn.* G. W.
 6068. *Asida opaca Say.* G. W.
 6070. *Asida polita Say.* G. W.
 6071. *Asida sordida Lec. and var.* G. W.
 6073. *Asida morbillosa Lec.* W.
 6092. *Asida convexa Lec.* W.
 6095. *Asida marginata Lec.* W.
 6065a. *Asida rimata Lec.* W.
 6097. *Asida elata Lec.* W.
 —. *Asida* n. sp. W.
 6100. *Astrotus regularis Horn.* W.
 6105. *Eusattus reticulatus Say.* W.
6127. *Eleodes obscura Say.* G. W.
 6127a. *Eleodes dispersa Lec.* G. W.
 6129. *Eleodes suturalis Say.* W.
 6129a. *Eleodes Texana Lec.* G.
 6131. *Eleodes tricolor Say.* G.
 6132. *Eleodes carbonaria Say.* W.
 —. *Eleodes carbonaria form debilis.* W.
 6133. *Eleodes obsoleta Say.* G. W.
 6137. *Eleodes extricata Say.* G. W.
 6141. *Eleodes longicollis Lec.* W.
 6143. *Eleodes ventricosa Lec.* W.
 6145. *Eleodes gracilis Lec.* W.
 6152. *Eleodes caudifera Lec.* W.
 6163. *Eleodes planipennis Lec.* W.
 6202. *Iphthimus serratus Mann.* G.
 6244. *Blapstinus pratensis Lec.* G.
 6320. *Platydemus Oregonense Lec.* G.
 —. *Ulus* not named. W.
 Tenebrionidae, 28 species, 5 var.
- ALLECULIDÆ.
- . *Allecula* n. sp. G.
 6375. *Hymenorus obscurus Say.* G.
 6385. *Pseudocistela pinguis Lec.* G.
 Alleculidae, 3 species.
- LAGRIIDÆ.
- . *Statira* n. sp. G.
 Lagriidae, 1 species.
- ANTHICIDÆ.
- . *Notoxus* n. sp. G.
 6526. *Xylophilus piceus Lec.* G.
 Anthicidae, 2 species.
- MORDELLIDÆ.
6579. *Anaspis atra Lec.* G.
 6583. *Anaspis rufa Say.* G.
 6585. *Anaspis pusio Lec.* G.
 6594. *Mordella scutellaris Fab.* G.
 6603. *Mordella insulata Lec.* G.
 6672. *Emmenadia pectinata Fab.* G.
 Mordellidae, 6 species.
- MELOIDÆ.
6701. *Meloe sublevis Lec.* G. S.
 6705. *Megetra cancellata Er.* S.
 6709. *Cysteodemus Wislizenii Lec.* S.
 6719. *Macrobasis unicolor Kirby.* G.
 6726. *Pleuropompha costata Lec.* Deming.
 6731. *Epicauta ferruginea Say.* G. S.
 6732. *Epicauta sericans Lec.* G.
 6746. *Epicauta corvina Lec.* S.
 6750. *Pyrota mylabrina Chev.* S.
 6777. *Cantharis biguttata Lec.* G. S.
 8700. *Cantharis mutilata Horn.* S.
 6799. *Eupompha fassiceps Lec.* S.
 6805. *Zonitis bilineata Say.* G.
 8703. *Zonitis rufa Lec.* G.
 6807. *Nemognatha sparsa Lec.* S.
 6808. *Nemognatha bicolor Lec.* G.
 6811. *Nemognatha pallens Lec.* G.
 6821. *Nemognatha nigripennis Lec.* G.
 6824. *Nemognatha cribraria Lec.* G.
 6825. *Nemognatha immaculata Say.* G.
 6828. *Nemognatha porosa Lec.* G. S.
 Meloidae, 21 species.

- MELANDRYIDÆ.
8669. *Tetratoma concolor Lec.* G.
 Melandryidæ, 1 species.
- CEDEMERIDÆ.
6841. *Ditylus obscurus Lec.* G.
— *Oxaxis* not described.
 Edemeridæ, 2 species.
- MYCTERIDÆ.
6866. *Mycterus concolor Lec* and var. G.
8712. *Laconotus pinicolus Horn.* G.
 Mycteridæ, 2 species, 1 var.
- PYTHIDÆ.
6874. *Crymodes discicollis Lec.* G.
6880. *Salpingus virescens Lec.* G.
 Pythidæ, 2 species.
- RHYNCHITIDÆ.
8727. *Rhynchites bicolor Fabr.* G.
8729. *Rhynchites æneus Boh.* G.
 Rhynchitidæ, 2 species.
- BYRSOPIDÆ.
8748. *Thecesternus humeralis Say.* G. S.
— *Thecesternus* not determined. G.
 Byrsopidæ, 2 species.
- OTIORHYNCHIDÆ.
8761. *Ophryastes vittatus Say.* S.
8780. *Anametis grisea Lec.* G.
8785. *Peritaxia rugicollis Horn.*
8813. *Thricolepis inornata Horn.* G.
8833. *Pandcleteius hiliaris Hbst.* G.
8836. *Cyphus lautus Lec.* Deming.
8842. *Phaccepholis elegans Horn.* G.
 Otioryhynchidæ, 7 species.
- CURCULIONIDÆ.
8867. *Sitones tibialis Hbst.* G.
8879. *Lepidophorus lineaticollis Kirby.* G.
8883. *Phytonomus setigerus Lec.* G.
8950. *Cleonus frontalis Lec.* G.
8956. *Cleonus vittatus Kb.* G.
- *Dorytomus* not named. G.
9002. *Desmoris constrictus Say.* G.
9014. *Smicronyx fulvus Lec.* G.
9067. *Magdalis cuneiformis Horn.* G.
9068. *Magdalis Lecontei Horn.* G.
9096. *Anthonomus rufipennis Lec.* G.
9106. *Anthonomus squamosus. Lec.* G.
9130. *Orchestes niger Horn.* G.
9163. *Laemosaccus plagiatus Fub.* G.
9194. *Rhyssomatus lineaticollis Say.* G.
9209. *Acalles turbidus Lec.* S.
9248. *Zascelis irrorata Lec.* G.
9254. *Copturus operculatus Say.* G.
9308. *Orthoris crotchii Lec.* G.
9316. *Baris strenua Lec.* G.
9336. *Onychobaris cribrata Lec.* G.
9368. *Centrinus neglectus Lec.* G.
9407. *Balaninus nasiscus Say.* W.
 Curculionidæ, 23 species.
- CALANDRIDÆ.
9467. *Cossonus concinnus Boh.* G.
 Calandridæ, 1 species.
- SCOLYTIDÆ.
9500. *Pityophthorus retusus Lec.* G.
9536. *Xyloterus scabricollis Lec.* G.
9565. *Tomicus plastographus Lec.* G.
9567. *Tomicus rectus Lec.* G.
9589. *Scolytus Californicus Lec.* G.
9619. *Dendroctonus terebrans Oliv.* G.
9620. *Dendroctonus similis Lec* var. G.
9633. *Hylastes longus Lec.* G.
— *Hylastes* n. sp. G.
9643. *Hylurgops rugipennis Mannh.* G.
 Scolytidæ, 10 species.
- ANTHRIBIDÆ.
9553. *Allandrus bifasciatus Lec.* G.
 Anthribidæ, 1 species.
- APIONIDÆ.
— Two undetermined species. G.
 Apionidæ, 2 species.

SUMMARY OF SPECIES OF COLEOPTERA.

Cicindelidæ.....	11	Buprestidæ.....	30
Carabidæ.....	49	Elateridæ.....	12
Dytiscidæ.....	9	Lampyridæ.....	11
Hydrophilidæ.....	9	Telephoridæ.....	6
Staphylinidæ.....	15	Malachidæ.....	9
Silphidæ.....	5	Cleridæ.....	12
Latridiidæ.....	1	Ptinidæ.....	1
Dermestidæ.....	7	Cerambycidæ.....	53
Endomychidæ.....	2	Spermophagidæ.....	2
Erotylidæ.....	2	Chrysomelidæ.....	63
Trogositidæ.....	2	Tenebrionidæ.....	28
Nitidulidæ.....	10	Alleculidæ.....	3
Phalacridæ.....	4	Lagridæ.....	1
Coccinellidæ.....	19	Anthridæ.....	2
Parnidæ.....	1	Mordellidæ.....	6
Histeridæ.....	9	Meloidæ.....	21
Lucanidæ.....	1	Melandridæ.....	1
Scarabæidæ.....	43	Edemeridæ.....	2

Mycteridæ	2	Apionidæ.....	2
Pythidæ.....	2		
Rhynchitidæ.....	2	Total: Families, 46; species (not including	
Byrsopidæ.....	2	varieties)	514
Otiorrhynchidæ.....	7	No. of new species.....	17
Curculionidæ	23	Total No. species Lepidoptera and Coleop-	
Calandridæ.....	1	tera.....	829
Scolytidæ.....	10	Total No. new species Lepidoptera and Coleop-	
Anthribidæ.....	1	tera.....	70

ON THE MOTHS COLLECTED BY PROF. SNOW IN NEW MEXICO.

BY A. R. GROTE, PRESIDENT OF THE NEW YORK ENTOMOLOGICAL CLUB.

The collections made by Prof. Snow, in New Mexico, have turned out to be of great scientific interest. Not only have there been valuable and showy insects taken, such as *Hyperchiria Zephyria*, *Gloveria Arizonensis*, *Halesidota Ambigua* and *Aspilates Viridirufaria*, but a number of new species, interesting from their structure, have been captured, such as *Trichothosia Parallela*. Again, light has been thrown on the geographical distribution. We have not only Californian and Eastern forms meeting as on common ground, but new representative species have occurred in these remote latitudes, such as *Copimamestra Occidentia*. The discovery in southern Arizona of *Phægarista Sevorsa* Grote, a species allied to the East Indian *P. Transiens*, is very remarkable; and other just as interesting resemblances with Asiatic forms may be expected from this new field for entomological exploration. It must not be forgotten that my genus *Heliochilus* occurs only in India and the United States. So far as the moths are concerned, Prof. Snow has been the pioneer, and a worthier one could not be found.

The late Professor Agassiz, whose lectures were so charming from his learning, noble presence, and enthusiasm for natural history, held strongly for the distinctness of what are called "representative species." In the Moths, the near resemblance of some species, such as *Copimamestra Occidentia* and *Apatele Occidentalis*, with their European analogues, I have accounted for by the theory that they are descendants from a single member of a Tertiary circum-polar fauna. There is a parallel between vertical ascension and distribution towards the Pole, as Professor Agassiz has explained. This is shown by a comparison of the faunæ of Mount Washington and Labrador. I think I was the first to identify the Arctic *Laria Rossii*, from specimens taken by Mr. B. Pickman Mann on Mount Washington. I have also identified the *Agrotis Scropulana* and *A. Opipara*, of Mr. Morrison, described from Mount Washington, with the *Pachnobia Carneæ* and *Agrotis Islandica* of Mr. Moeschler, from Labrador. After seeing Icelandic specimens, however, I doubt if the Labrador species is the same. Dr. Packard's "Islandica" from the West is